

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/07739

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/166 A61K38/23 A61K31/727 A61P7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 563 158 A (DEGRADO WILLIAM F ET AL) 8 October 1996 (1996-10-08) column 3, line 16 -column 20, line 20 column 80, line 60 -column 85, line 43; tables 3,4	1,2,4, 6-8, 10-13
X	US 5 866 536 A (HO KOC-KAN ET AL) 2 February 1999 (1999-02-02) cited in the application abstract column 1, line 43 -column 2, line 5 column 2, line 49 -column 18, line 46; claims 1-22; examples 34-37,44-58 -/-	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

21 November 2003

Date of mailing of the international search report

04/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 59863 A (BAY WILLIAM E ;CHAUDHARY KIRAN (US); MAJURU SHINGAI (US); RUSSO JO) 12 October 2000 (2000-10-12) cited in the application abstract page 3, line 1-7 page 7, line 15-32 claims 1-23; examples 16,17	1-4, 6-8, 10-13
X	WO 02 45754 A (NOVARTIS ERFINDE VERWALT GMBH ;AZRIA MOISE (CH); NOVARTIS AG (CH);) 13 June 2002 (2002-06-13) example 4	10,11
X	LEONE-BAY A ET AL: "ORAL DELIVERY OF BIOLOGICALLY ACTIVE PARATHYROID HORMONE" PHARMACEUTICAL RESEARCH, NEW YORK, NY, US, vol. 18, no. 7, July 2001 (2001-07), pages 964-970, XP001106035 ISSN: 0724-8741 abstract	10,11
X	US 5 773 647 A (LEIPOLD HARRY ET AL) 30 June 1998 (1998-06-30) cited in the application column 2, line 38 -column 48, line 42 column 48, line 63 column 55, line 24-37; examples 3,7	1,2,4, 6-8, 10-13

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1,2,4-8,10-13 (all in parts)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1,2,4-8,10-13 (all in parts)

Present claims 1,2,4-8,10-13 relate to an extremely large number of possible compounds and methods all falling under the definition "modified amino acid". Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. It has not been convincingly shown in the application that all compounds falling under the term "modified amino acid" have the claimed effect, i.e., inhibition of platelet aggregation.

In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds disclosed in the description and the examples, as well as the definition per se, and the compounds of the patents the description refers to.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5563158	A	08-10-1996	AU 1400095 A WO 9518111 A1 US 5691329 A	17-07-1995 06-07-1995 25-11-1997
US 5866536	A	02-02-1999	US 5650386 A AU 712222 B2 AU 5662996 A BR 9604880 A CA 2214323 A1 CN 1190893 A CZ 9703073 A3 EP 0817643 A1 FI 973828 A HU 9901162 A2 JP 2002506418 T NO 974495 A NZ 307319 A PL 322494 A1 RU 2203268 C2 TR 9701071 T2 US 2003045579 A1 WO 9630036 A1 US 2003078302 A1 US 2001023240 A1 US 6346242 B1 US 5965121 A US 6001347 A US 5989539 A US 6071510 A US 5962710 A AU 2595697 A SI 9720025 A US 2002127202 A1 WO 9736480 A1 US 6090958 A US 6344213 B1 US 6221367 B1	22-07-1997 04-11-1999 16-10-1996 19-05-1998 03-10-1996 19-08-1998 18-03-1998 14-01-1998 29-09-1997 30-08-1999 26-02-2002 28-11-1997 28-10-1999 02-02-1998 27-04-2003 22-03-1999 06-03-2003 03-10-1996 24-04-2003 20-09-2001 12-02-2002 12-10-1999 14-12-1999 23-11-1999 06-06-2000 05-10-1999 22-10-1997 31-08-1999 12-09-2002 09-10-1997 18-07-2000 05-02-2002 24-04-2001
WO 0059863	A	12-10-2000	AU 3357800 A AU 4216700 A AU 4218400 A CA 2361716 A1 CA 2369591 A1 EP 1149066 A1 EP 1175390 A1 JP 2002541132 T WO 0046182 A1 WO 0059863 A1 WO 0059480 A1 US 2002013497 A1 US 2002065255 A1	25-08-2000 23-10-2000 23-10-2000 10-08-2000 12-10-2000 31-10-2001 30-01-2002 03-12-2002 10-08-2000 12-10-2000 12-10-2000 31-01-2002 30-05-2002
WO 0245754	A	13-06-2002	AU 3454702 A BR 0115965 A CA 2436599 A1 CZ 20031566 A3 WO 0245754 A2 EP 1341526 A2	18-06-2002 28-10-2003 13-06-2002 17-09-2003 13-06-2002 10-09-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/07739

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0245754	A	NO 20032511 A	03-06-2003
		US 2002123459 A1	05-09-2002
US 5773647	A	30-06-1998	
		AU 738735 B2	27-09-2001
		AU 6275698 A	26-08-1998
		CA 2319672 A1	13-08-1998
		CA 2319680 A1	13-08-1998
		EP 1093819 A2	25-04-2001
		EP 1015008 A1	05-07-2000
		EP 0993831 A2	19-04-2000
		JP 2001513080 T	28-08-2001
		JP 2001139494 A	22-05-2001
		JP 2001131090 A	15-05-2001
		NZ 337131 A	31-08-2001
		NZ 507275 A	30-11-2001
		NZ 507276 A	01-02-2002
		WO 9834632 A1	13-08-1998